OM protein - protein search, using sw model

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GenCore version 5.1.6

Run on: June 9, 2004, 14:28:02 ; Search time 13.5062 Seconds
                                          (without alignments)
                                          592.469 Million cell updates/sec

Title: US-09-869-566-13
Perfect score: 823
Sequence: 1 MVLSGALCFRMKDSALKVLY...............LPENGGWNAPITDFYFQQCD 155

Scoring table: BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Issued_Patents_AA:*
                 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
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                 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	823	100.0	155	3	US-09-417-455-5	Sequence 5, Appli
2	823	100.0	155	4	US-09-348-942-5	Sequence 5, Appli
3	823	100.0	155	4	US-09-316-081-5	Sequence 5, Appli
4	823	100.0	155	4	US-09-578-458-5	Sequence 5, Appli
5	823	100.0	155	4	US-09-522-964A-5	Sequence 5, Appli
6	823	100.0	155	4	US-09-457-626-5	Sequence 5, Appli
7	823	100.0	155	4	US-09-576-008-5	Sequence 5, Appli
8	734	89.2	156	3	US-09-398-412B-13	Sequence 13, Appli
9	437	53.1	80	3	US-09-417-455-3	Sequence 3, Appli
10	437	53.1	80	4	US-09-348-942-3	Sequence 3, Appli
11	437	53.1	80	4	US-09-457-626-3	Sequence 3, Appli
12	437	53.1	80	4	US-09-576-008-3	Sequence 3, Appli
13	319.5	38.8	153	3	US-09-131-247-2	Sequence 2, Appli
14	319.5	38.8	153	3	US-09-457-626-3	Sequence 3, Appli
15	319.5	38.8	153	4	US-09-131-247-4	Sequence 4, Appli
16	319.5	38.8	156	3	US-08-476-860-10	Sequence 10, Appli
17	319.5	38.8	156	3	US-08-910-733-10	Sequence 10, Appli
18	319.5	38.8	156	2	US-08-910-884-10	Sequence 10, Appli
19	319.5	38.8	159	1	US-08-445-811-2	Sequence 2, Appli
20	319.5	38.8	159	2	US-08-484-598-2	Sequence 2, Appli
21	319.5	38.8	159	2	US-08-459-092-2	Sequence 2, Appli
22	319.5	38.8	159	2	US-08-459-814-2	Sequence 2, Appli
23	319.5	38.8	159	2	US-08-425-232-2	Sequence 2, Appli
24	319.5	38.8	159	3	US-08-471-227-3	Sequence 3, Appli
25	319.5	38.8	159	2	US-08-479-140-2	Sequence 2, Appli
26	319.5	38.8	159	2	US-08-477-143-2	Sequence 2, Appli
27	319.5	38.8	159	3	US-08-417-455-14	Sequence 14, Appli
28	319.5	38.8	159	4	US-09-348-942-14	Sequence 14, Appli
29	319.5	38.8	159	4	US-09-316-081-9	Sequence 9, Appli
30	319.5	38.8	159	4	US-09-578-458-9	Sequence 9, Appli
31	319.5	38.8	159	4	US-09-522-964A-9	Sequence 9, Appli
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33	319.5	38.8	159	1	US-09-576-008-14	Sequence 14, Appli
34	319.5	38.8	177	1	US-09-422-655-2	Sequence 2, Appli
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36	319.5	38.8	177	3	US-09-000-6300-20	Sequence 20, Appli
37	319.5	38.8	177	3	US-08-862-730C-20	Sequence 20, Appli
38	319.5	38.8	177	3	US-09-128-155-14	Sequence 14, Appli
39	319.5	38.8	177	3	US-09-411-455-30	Sequence 30, Appli
40	319.5	38.8	177	4	US-09-348-942-30	Sequence 30, Appli
41	319.5	38.8	177	4	US-09-316-081-8	Sequence 8, Appli
42	319.5	38.8	177	4	US-09-578-458-8	Sequence 8, Appli
43	319.5	38.8	177	4	US-09-522-964A-8	Sequence 8, Appli
44	319.5	38.8	177	4	US-09-457-626-30	Sequence 30, Appli
45	319.5	38.8	177	4	US-09-576-755A-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-417-455-5

; Sequence 5, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-417-455-5

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Best Local Similarity   100.0%;
Matches 155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-348-942-5
; Sequence 5, Application US/09348942
; Patent No. 6337072
; GENERAL INFORMATION:
; APPLICANT: John Ford
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/35801
; CURRENT APPLICATION NUMBER: US/09/348,942
; CURRENT FILING DATE: 1999-07-07
; EARLIER APPLICATION NUMBER: PCT/US99/04291
; EARLIER FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 09/287,210
; EARLIER FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 09/251,370
; EARLIER FILING DATE: 1999-02-17
; EARLIER APPLICATION NUMBER: US 09/229,591
; EARLIER FILING DATE: 1999-01-13
; EARLIER APPLICATION NUMBER: US 09/127,698
; EARLIER FILING DATE: 1998-07-31
; EARLIER APPLICATION NUMBER: US 09/099,818
; EARLIER FILING DATE: 1998-06-19
; EARLIER APPLICATION NUMBER: US 09/082,364
; EARLIER FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: US 09/079,909
; EARLIER FILING DATE: 1998-05-15
; EARLIER APPLICATION NUMBER: US 09/055,010
; EARLIER FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-348-942-5

Query Match   100.0%; Score 823; DB 4; Length 155;
Best Local Similarity   100.0%; Pred. No. 1.8e-95;
Matches 155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy  121 LCTVPEADQPVRLTQLPENGGWNAPITDFYFQQCD 155
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RESULT 3
US-09-316-081-5
; Sequence 5, Application US/09316081
; Patent No. 6339141
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis G.
; APPLICANT: Pace, Ann M.
; TITLE OF INVENTION: Interleukin-1 Hy2 Materials and Methods
; FILE REFERENCE: 28110/35659
; CURRENT APPLICATION NUMBER: US/09/316,081
; CURRENT FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-316-081-5

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Best Local Similarity   100.0%; Pred. No. 1.8e-95;
Matches 155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy   61 VQGGSQCLSCGVGQEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWF 120
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Qy  121 LCTVPEADQPVRLTQLPENGGWNAPITDFYFQQCD 155
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RESULT 4
US-09-578-458-5
; Sequence 5, Application US/09578458
; Patent No. 6365726
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis G.
; APPLICANT: Ford, John
; APPLICANT: Ho, Alice
; APPLICANT: Lin, Hai Shan
; APPLICANT: Pace, Ann M.
; TITLE OF INVENTION: Interleukin-1 Hy2 Materials and Methods
; FILE REFERENCE: 28110/36479
; CURRENT APPLICATION NUMBER: US/09/578,458
; CURRENT FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 09/522,964
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: US 09/316,086
; PRIOR FILING DATE: 1999-03-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-578-458-5

Query Match   100.0%; Score 823; DB 4; Length 155;
Best Local Similarity   100.0%; Pred. No. 1.8e-95;
Matches 155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db    1 MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILG 60

Qy   61 VQGGSQCLSCGVGQEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWF 120
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RESULT 5
US-09-522-964A-5
; Sequence 5, Application US/09522964A
; Patent No. 6372892
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis G.
; APPLICANT: Lin, Hai Shan
; APPLICANT: Pace, Ann M.